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No. 28] NEW DELHI, SATURDAY, JULY 10, 1993 (ASADHA 19, 1915)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके

[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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PATENTS AND DESIGNS

Calcutta, the 10th July 1993

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Telegraphic address "PATENTOFIS".

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234/4, Acharya Jagadish Bose Road,
Calcutta-700 020.

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पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 10 जुलाई 1993

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, लोअर परेल (पश्चिम),
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा दीव एवं दादरा और नगर हवेली ।

तार पता—"पेटोफिस"

पेटेंट कार्यालय शाखा,
एनेक्स सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—"पेटेंटोफिक"

पेटेंट कार्यालय शाखा,
61, बालाजाह रोड,
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पांडिचेरी, लक्षद्वीप, मिनिकाय तथा एमिनिदिवि द्वीप ।

तार पता—"पेटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय,
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र ।

तार पता—"पेटेंट्स"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है ।

THE PATENT OFFICE

"NIZAM PALACE"
2ND M.S. OFFICE BUILDINGS,
234/4, ACHARYA J. C. BOSE ROAD,
CALCUTTA-700 020

CORRIGENDUM

In the Gazette of India Part III, Section 2, under the heading "PATENT SEALED", dated 21-5-1993 (which is supposed to be published on 19-6-1993).

Delete No. 170246.

THE PATENT OFFICE

Calcutta, the 10th July 1993

Application for Patents filed at the Head Office 234/4, Acharya Jagadish Bose Road, Calcutta-20.

The dates shown in the crescent branch are the dates claimed under Section 135, of the Patents Act, 1970.

27th May, 1993

293/Cal/93 Moon-Hyoun Lee. "Floor Hinge".

28th May,1993

294/Cal/93 Debakiranjan Dutta and Dipankar Dutta. "Perpetual motion machine (Genset).

31st May, 1993

295/Cal/93 Tejendra Farg. "Improvements in or relating to the production of acetylene".

296/Cal/93 Fiberweb North America, Inc. "Apparatus for production NONWOVEN FABRIC".

297/Cal/93 Hoechst Aktiengesellschaft. "Process for the production of copper phthalocyanine pigment preparations of the phase".

298/Cal/93 Hoechst Aktiengesellschaft. "Process for the production of pigment preparations based on phthalocyanine pigments".

299/Cal/93 Emitec Gesellschaft fur Emissionstechnologye mbH. "Method and apparatus for applying brazing material to a metal honey comb body".

300/Cal/93 General Surgical Innovations, Inc. "Apparatus and method for developing an anatomic space for laparoscopic hernia repair and patch for use there with".

301/Cal93 The Babcock & Wilcox Company. "Improved low pressure drop rotating vertical vane inlet throat".

302/Cal/93 PGP Industries, Inc. "Foraminous sheets for use in catalysis". Convention Application No. 9211534.4 dated 01-06-92 (U.K.).

01st June, 1993

303/Cal/93 Hari Machines Limited. "Packaged water pretreatment plant".

304/Cal/93 Debojyoti Bandopadhyay. "An arrangement for producing a combustible mixture capable of generating enhanced heat on burning".

305/Cal/93 Dipl.-Ing. Dr. Ernst Vogelsang GMBH & Co. KG. "Cable conduit assembly with at least one cable conduit tube made of thermoplastic plastics".

01st June, 1993

306/Cal/93 Asta Medica Aktiengesellschaft. "Novel Phospholipid derivatives".

307/Cal/93 Videcart, S.A. "Pile up tray for the transportation of products and the procedure for it's manufacture".

COMPLETE SPECIFICATIONS ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form 15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को उपयुक्त कार्यालय को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तरराष्ट्रीय वर्गीकरण के अनुरूप हैं।"

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Cl. : 40C. 172371

Int. Cl. : C09K 13/06, C23G 5/02.

"STABILIZED AZEOTROPE OR AZEOTROPE-LIKE COMPOSITIONS."

Applicant : E. I. DU PONT DE NEMOURS AND COMPANY, AT WILMINGTON, DELAWARE, U.S.A.

Inventor : ROBERT ALEXANDER GORSKI.

Application No. 92/Cal/89 filed on 30th January, 1989

Appropriate office for opposition proceedings (Rule 4, Patent Rule, 1972) Patent Office, Calcutta.

5 Claims

A stabilied azeotrope or azeotrope-like composition comprising 64 to 72 weight percent 1, 1, 2-trichloro-1, 2, 2-trifluoproethane, 5 to 7 weight percent methanol and 23 to 29 weight percent 1, 2-dichloroethylene and 0.001 to 0.004 wt. percent of a lower alkoxyphenol, 0.01 to 1.0 wt. percent 1, 2-butylene oxide, 0.01 to 1.0 wt. percent di-isopropylamine and at least one of 0.01 to 1.0 wt. percent intromethane and 0.01 to 1.0 wt. percent 1, 2-propylene oxide, said wt. percents of lower alkoxyphenol, butylene oxide , di-isopropylamine and 1; 2-propylene oxide based on the weight of 1, 1, 2-trichloro-1, 2, 2-trifluoroethane, methanol and 1, 2-dichloroethylene.

Compl. Specn. 18 Pages. Drgs. Nil

Cl. : 136D. 172372

Int. Cl. : B29c 43/52.

"PROCESS AND DEVICE FOR THE MANUFACTURE OF COMPRESSION-MOLDED ARTICLES FROM TERMOPLASTIC SYNTHETIC MATERIAL".

Applicant : AISA AUTOMATION INDUSTRIELLE S.A. OF ROUTE DE SAVOIE, CH-1896 VOUVRY, SWITZERLAND.

Inventors : GERHARD KELLER; ANDEAS ISELI.

Application No. 111/Cal/89 filed on 7th February, 1989.

Appropriate office for opposition proceedings (Rule 4, Patent Rule, 1972) Patent Office, Calcutta.

7 Claims

Process for the manufacture of compression-molded articles such as herein described, from thermoplastic compound by heating the latter; compression-molding of the blank by means of a die, the latter being annular, if need be; separation of the blank, using, if need be, a heated stream of gas, the latter surrounding the die and being directed at the point of separation; introducing the blank in a mold; closing of the latter; compression-molding the blank by application of a compression-molding pressure; and cooling of the compression-molded article at least partly under pressure;

Characterised in that the total heated thermoplastic compound required for a blank is deposited on the surface of an intermediate support, the latter forming a part of the compression-molding mold and being extended under the die; and separated from the die; and that the intermediate support is lowered as the mold is being closed.

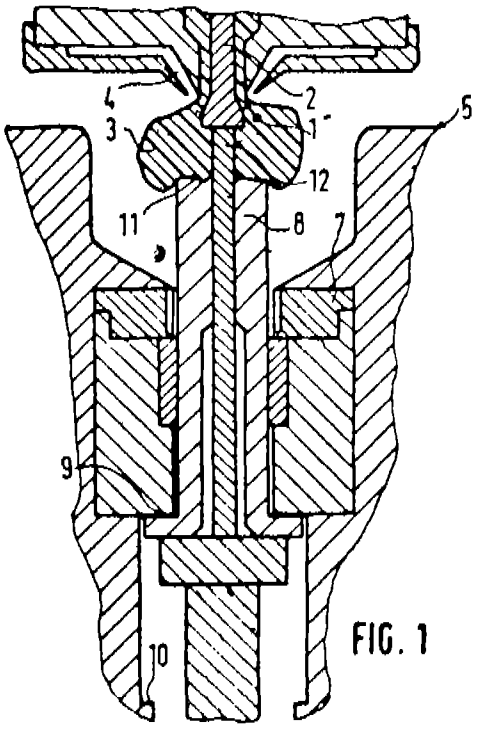


FIG. 1

Compl. Specn. 14 Pages. Drgs. 2 Sheets.

Cl. : $144E_6$. 172373

Int. Cl.[4] : C09c 1/36.

METHOD FOR PREPARING FLAKY EXTENDER PIGMENTS.

Applicant : MERCK PATENT GESELLSCHAFT MIT BESCHRANKTER HAFTUNG OF FRANKFURTER STR. 250, D-6100 DARMSTADT, FED. REP. OF GERMANY.

Inventor : TAMIO NOGUCHI.

Application No. 286/Cal/89 filed on 13th April, 1989.

Appropriate office for opposition proceedings (Rule 4, Patent Rule, 1972) Patent Office, Calcutta.

3 Claims

Method for preparing a flaky extender pigment comprising adsorbing in a manner such as herein described a titanium oxide hydrate having a mean grain size from 0.1 to 0.5 μm on the surface of a flaky substrate such as herein described and then further coating a titanium oxide hydrate having a mean grain size of less than 0.1 μm thereover to obtain the extender pigment, which, if desired, is subjected to firing at least partially to convert titanium oxide hydrate of the coating to titanium oxide.

Compl. Specn. 18 pages. Drgns. Nil.

Cl. : 42 A 2, 42B. 172374

Int. Cl. : A 24 D 1/00.

SMOKING ARTICLE WITH IMPROVED MEANS FOR DELIVERING FLAVORANTS.

Applicant : R. J. REYNOLDS TOBACCO COMPANY OF 401 NORTH MAIN STREET, WINSTON-SALEM, NORTH CAROLINA 27102, UNITED STATES OF AMERICA.

Inventors : (1) THOMAS ALBERT PERFETTI, (2) GARY WILBUR WORRELL.

Application No. 303/Cal/89; filed on 19th April, 1989.

Appropriate office for opposition proceedings (Rule 4, Patent Rule, 1972) Patent Office, Calcutta.

14 Claims

A smoking article comprising a fuel element, a physically separate aerosol generating means having at least one aerosol forming material and a separate means for delivering the aerosol produced by the aerosol generating means to the smoker, characterised in that the separate means for delivering the aerosol produced by the aerosol generating means to the smoker, has a carbon filled sheet material bearing at least one flavorant.

Compl. Specn. 37 pages. Drgns. 3 sheets.

Cl. : 176 T 172375

Int. Cl. : F 01 K 21/00.

STEAM POWER PLANT.

Applicant : SIEMENS AKTIENGESELLSCHAFT OF WITTELSBACHERPLATZ 2, D-8000, MUNCHEN 2, WEST GERMANY.

Inventors : (1) HERMANN BRUECKNER, (2) WERNER EMSPERGER, (3) HANS-JOACHIM NEUMANN.

Application No. 328/Cal/89; filed on 28th April, 1989.

Appropriate office for opposition proceedings (Rule 4, Patent Rule, 1972) Patent Office, Calcutta.

7 Claims

Steam power plant with a steam generator heated by combustion plant characterised in that a tube furnace (18, 60) to heat highly viscous refinery residues to 400 to 600°C is connected upstream of the combustion plant (28, 50) on the fuel side, said tube furnace having a fractionating column (19, 61) connected downstream thereto to separate the gaseous and vaporous products from the remaining residue components, wherein the discharge line (26, 68) for the remaining residue components at the lower end of the fractionating column is connected to the combustion plant of the steam generator (6, 48) with a discharge line (20, 62) ate the head of the fractionating column (19, 61) opening into a condensation device (21, 63), the head product of said condensation device serving as a heating medium for the tube furnace (18, 60).

Compl. Specn. 12 pages. Drgns. 2 sheets.

Cl. : 206 A 172376

Int. Cl. : H 01 Q 21/24

A PRINTED CIRCUIT ANTENNA.

Applicant : COMMUNICATIONS SATELLITE CORPORATION OF 950 L'ENFANT PLAZA, S. W. WASHINGTON, D.C. 20024, UNITED STATES OF AMERICA.

Inventors : (1) AMIR IBRAHIM ZAGHLOUL, (2) ROBERT MICHAEL SORBELLO.

Application No. 346/Cal/89, filed on 8th May 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972, Patent Office, Calcutta.

20 Claims

A printed circuit antenna comprising

a ground plane;

a first power divider array disposed over said ground plane;

a first array of radiating elements disposed over said first power divider array;

a second power divider array disposed over said first array of radiating elements; and

a second array of radiating elements disposed over said second power divider array;

wherein said first power divider array and said first array of radiating elements are capacitively coupled to each other, and said second power divider array and second array of radiating elements are capacitively coupled to each other.

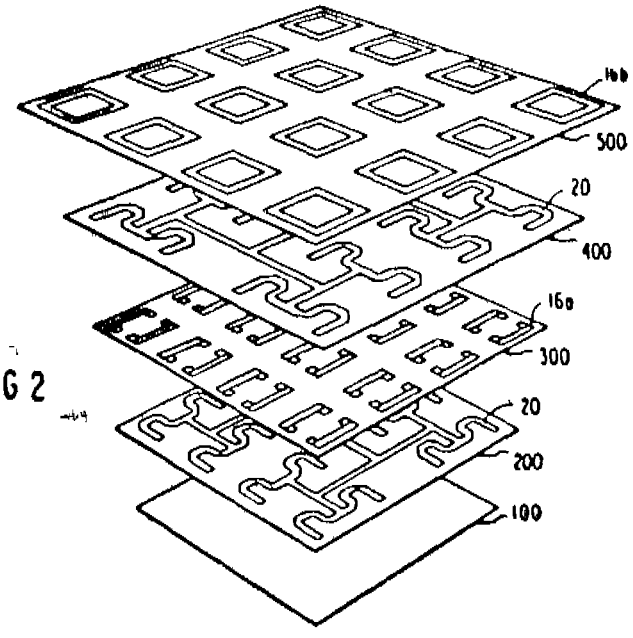
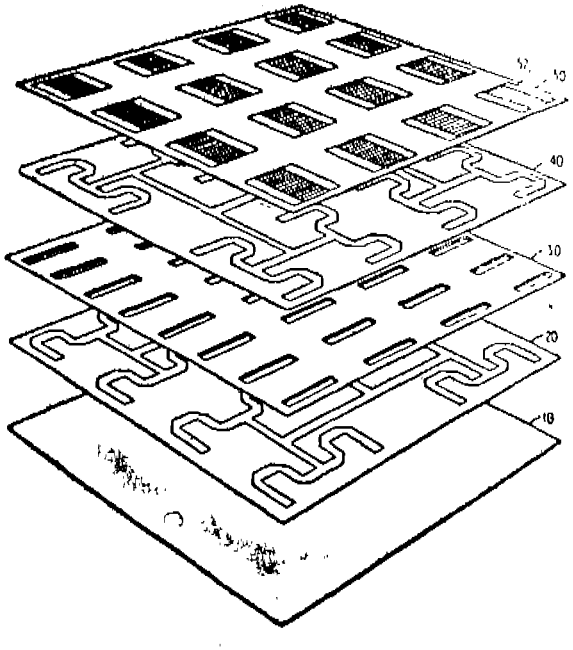


FIG 2

FIG.8



(Compl. Specn. 21 pages. Drgns. 14 sheets.)

Cl. : 144F6 172377

Int. Cl. : C 09 C 3/06.

A PROCESS FOR PRODUCING IMPROVED WEATHER-RESISTANT, PEARLESCENT PIGMENT.

Applicant : MERCK PATENT GESELLSCHAFT MIT BESCHRANKTER HAFTUNG FRANKFURTER STR. 250 D-6100 DARMSTADT, FED. REP. OF GERMANY.

Inventors : (1) KATSUHISA NITTA AND (2) ISAO SUZUKI.

Application No. 376/Cal/1989 filed on 15th May 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

5 Claims

A process for producing improved weather resistant, pearlescent pigment which comprises taking mica flakes coated with a known metal oxide as herein described as base material and depositing on same, one after another in any order or together the following two coatings :

(a) hydrated zirconium oxide formed in situ by hydrolysis of a zirconyl compound in the presence of a hypophosphite, and

(b) at least one hydrated metal oxide formed in situ by hydrolysis of a water-soluble compound of at least one member selected from the group consisting of cobalt, manganese and cerium, said components (a) and (b) being deposited on the surface of said base material.

Compl. Specn. 34 pages. Drgs. Nil

Cl. : 39L-III 172378

Int. Cl.[4] : C 01 B 31/20.

IMPROVED CONTINUOUS PROCESS FOR RECOVERING CARBON-DI-OXIDE FROM A CARBON-DI-OXIDE RICH GAS STREAM.

Applicant : KERR-McGEE CHEMICAL CORPORATION, KERR-McGEE CENTER, OKLAHOMA CITY, OKLAHOMA 73125, U.S.A.

Inventor : OLEN LONNIE RIGGS, JR.

Application No. 399/Cal/1989 filed on 24th May 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

5 Claims

A continuous process for recovering carbon-dioxide from a carbon dioxide-rich gas stream wherein the gas stream is contacted with an aqueous alkanolamine solution in an absorption zone to produce a carbon dioxide-lean gaseous overhead stream and a carbon dioxide-rich liquid effluent stream, wherein the carbon dioxide-rich liquid effluent stream is heated in a regeneration zone to produce a carbon dioxide-rich, gaseous overhead stream and a carbon dioxide-lean liquid effluent stream said carbon dioxide-lean liquid effluent stream comprising a regenerated aqueous alkanolamine solution and wherein the regenerated aqueous alkanolamine solution is returned to and introduced into the absorption zone, wherein the improvements compriso :

Cooling the regenerated aqueous alkanolamine solution to a temperature sufficient to maintain said solution at a temperature of upto about 35°C throughout a substantial portion of the absorption zone, said regenerated aqueous alkanolamine solution containing an alkanolamine concentration ranging up to about 20 percent by weight; and

introducing the cooled regenerated aqueous alkanolamine solution into the absorption zone to contact said carbon dioxide-rich gas stream and to remove carbon dioxide therefrom.

Compl. Specn. 15 pages. Drgs. 1 sheet

Cl. : 13A+13C+23E+143D$_4$ 172379

Int. Cl.^{4} : B 65 D 30/08, 65/00, 81/20, 85/00.

IMPROVEMENT IN CONTAINERS/PACKAGES FOR VACUUM PACKAGING OF FOOD TEA AND LIKE ARTICLES.

Applicant : INDIA FOILS LIMITED, 4, MANGOE LANE, CALCUTTA-700001, WEST BENGAL, INDIA.

Inventor : AMITAVA RAY.

Application No. 935/Cal/1989 filed on 8th November 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

3 Claims

Improved contained/package for vacuum packaging of food, tea or like article characterised in that it has more than one layers of flexible laminates inside with all the sides sealed except one, the said laminates having an inner layer preferably of polyethylene, the unsealed side being adapted to be closed by vacuum sealing.

Compl. Specn. 5 pages. Drg. 1 sheet

Cl. : 32B. 172380

Int. Cl. : C 07 C 9/00.

PROCESS FOR DEHYDROGENATING LIGHT PARAFFINS. (ALKANES).

Applicant : PHILLIPS PETROLEUM COMPANY, BARTIESVILLE, STATE OF OKLAHOMA, U.S.A.

Inventors : (1) DWIGHT LAMAR MCKAY AND (2) MICHAEL EUGENE OLBRICH.

Application No. 1000/Cal/89 filed on 4th December 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

16 Claims

A process for dehydrogenating light lakanes having from 2 to 5 carbon atoms which comprises :

(a) contacting a feed stream comprising at least one alkane having from 2 to 5 carbon atoms per molecule in a reactor with stream and a catalyst composition comprising (i) 80 to 98 weight-% of at least one aluminate spinel selected from the group consisting of Group IIA metal aluminates and Group IIB metal aluminates, (ii) 0.05 to 5 weight-% of at least one metal selected from the group consisting of nickel, ruthenium, rhodium, palladium, osmium, irridium and platinum, and (iii) 0.1 to 5 weight-% of at least one compound of a metal selected from the group consisting of germanium, tin and lead, to dehydrogenate at least one alkane to at least one alkene;

(b) discontinuing the flow of said feed stream through said reactor containing said catalyst composition, and passing a purge gas stream selected from the group consisting of steam, at least one inert gas and mixtures of steam and at least one inert gas through said reactor, so as to substantially remove hydrocarbons from said reactor;

(c) thereafter contacting said catalyst composition in said reactor with steam and a free oxygen containing gas stream to substantially burn off carbonaceous deposits on said catalyst composition and to obtain a regenerated catalyst composition;

(d) discontinuing the flow of the free oxygen containing gas stream through said reactor containing said regenerated catalyst composition, and passing a purge gas stream, as described in step (b), through said reactor so as to substantially remove free oxygen from said reactor;

(e) contacting said regenerated catalyst composition in said reactor with a reducing gas stream comprising free hydrogen and steam, to obtain a reactivated catalyst composition, wherein the molar ratio of steam to free hydrogen in said reducing gas stream is in the range of from 2 : 1 to 20 : 1; and

(f) discontinuing the flow of free hydrogen through said reactor and contacting said feed stream in said reactor with steam and the reactivated catalyst composition contained in step (e), to dehydrogenate at least one alkane to at least one alkene.

Compl. Specn. 13 pages. Drg. Nil

Cl. : 39 L. 172381

Int. Cl.^{4} : C 04 B 2/04.

METHOD FOR THE CONTINUOUS DRY SLAKING OF CIME.

Applicant : METALLGESELLSCHAFT AKTIENGESELLSCHAFT OF REUTERWEG-14, D-6000, FRANKFURT AM MAIN, WEST GERMANY.

Inventors : (1) WENZEL VON JORDAN, (2) ROLF GRAF, (3) DIETER GRONE AND (4) HARALD SAUER.

Application No. 112/Cal/89; filed on 08-02-1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

6 Claims

A method for the continuous of dry slaking of like in which finely ground lime is mixed with water in a slaking apparatus and hydrate of lime and exhaust gases are removed separately from the slaking apparatus, characterized in that hot flue gas is admixed to the exhaust gas of the slaking apparatus in amounts such that the mixture of exhaust gas and hot flue gas has a temperature between 90 and 150°C and a (relative) humidity between 80 and 95% whereby the formation of deposit and crust is avoided/reduced.

Compl. Specn. 5 pages. Drg. Nil

Cl. : 198 D 172382

Int. Cl.^{4} : F 03 D 7/00,
F 03 B 13/24.

WIND TURBINE SHUTDOWN SYSTEM.

Applicant : UNITED TECHNOLOGIES CORPORATION OF 1 FINANCIAL PLAZA HARTFORD, CONNECTICUT 06101 UNITED STATES OF AMERICA.

Inventors : (1) CHRISTOPHER LEON STOLTZE AND (2) JOEL EDMOND PARKER.

Application No. 172/Cal/89; filed on 1st March 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

5 Claims

Wind turbine comprising a fixed pitch airfoil blade (15, 20) mounted on a rotatable hub (25), and hydraulic means including a hydraulic pump (75) driven by said blade (15, 20) and having a pump outlet, and hydraulic motor means (90) for yawing the blade (15, 20) into and out of a wind stream during normal operation of the wind turbine and for yawing the blade (15, 20) out of the wind stream in an emergency condition, characterized by said hydraulic means having first control circuit means including a directional valve (85) receiving hydraulic fluid from the pump outlet, and means directed by a controller for positioning the directional valve (85) to control hydraulic fluid flow from said pump outlet to the hydraulic motor means (90) to drive said motor means (90) for yawing the blade (15, 20) into and out

of the wind stream to optimize power output during said normal operation of the wind turbine, and second control circuit means comprising a first valve (95) controlled by a signal provided by said controller, said hydraulic pump (75) therethrough in said emergency condition upon a cessation of said signal thereto, a second valve (100), and camming means for positioning said second valve (100) respose to a wind vane (105) for controlling said fluid flow from said first valve (95) to said directional valve (85) for positioning said direction valve (85) to control hydraulic fluid flow from said pump outlet to said hydraulic motor means (90) such that said blade (15, 20) is yawed out of the wind in said emergency condition.

Compl. Specn. 11 pages. Drgs. 1 sheet

Cl. : 39N 172383

Int. Cl. : C01B 33/24, 33/26.

PROCESS FOR THE PREPARATION OF ZEOLITE NAA.

Applicant : DEGUSSA AKTIENGESELLSCHAFT OF 6000 FRANKFURT AM MAIN, WEISSFRAUENSTRASSE 9, FEDERAL REPUBLIC OF GERMANY.

Inventor : JURGEN DORR.

Application No. 344/Cal/89 filed on 8th May 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

1 Claim

A process for the preparation of zeolite NaA of composition $1.0\pm0.2\ Na_2O_3 : Al_2O_3\ 1.85\pm0.5\ SiO_2\ yH_2O$ wherein y denotes a value up to 6, having 50 wt% of particles below at most 4.0 μm and a particle spectrum.

Fraction (μm)	Proportion (wt. %)
∠3	35 to 60
∠5	82 to 95
∠10	93 to 99
∠15	96 to 100

in which process an aqueous solution of sodium silicate is initially taken and heated to a temperature between 30 and 80C, a sodium aluminate liquor preheated to a temperature of 30 to 100°C and having a content of 0.1 to 100 g of Al_2O_3 litre and 1 to 200 g of Na_2o litre is added in the course of 10 to 60 minutes with stirring to the solution of sodium silicate initially taken until the cloud point of the reaction mixture is reached, a sodium aluminate liquor containing 10 to 200 g/litre of Al_2O_3 and 10 to 250/g litre of Na_2O at a temperature of 10 to 100°C is added in two stages with stirring to the cloudy reaction mixture containing the composition SiO_2/Al_2O_3=2 to 50, Na_2O/SiO_2=0.2 to 20 and H_2O/Na_2O =4 to 300, the rate of addition in the second stage being two to ten times higher than in the first stage, and the synthesis mixture thus obtained is allowed to crystallise within at least 15 minutes at a temperature between 20 and 175°C, wherein a seeding centre is added characterisd in that the seeding centre is constituted by powder crystalline zeolite NaA of composition $1.0\pm0.2\ Na_2O : Al_2O_3 : 1.85\pm0.5\ SiO_2 \cdot yH_2O$ wherein y denotes a value up to 6, having 50 wt.% of particles below at most 4.0 μm and a particle spectrum

Fraction (μm)	Proportion (wt. %)
∠3	35 to 60
∠5	82 to 95
∠10	93 to 99
∠15	99 to 100

Compl. Specn. 9 pages Drgs. Nil

Cl. : 64B1; 69A, B, O & L 172384

Int. Cl. : H01h 73/04, 71/06, 73/36, 79/00.

CIRCUIT BREAKERS.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION OF WESTINGHOUSE BUILDING, GATEWAY CENTRE, PITTSBURGH, PENNSYLVANIA 16222, UNITED STATES OF AMERICA.

Inventors : JERE LEE MCKEE, LANCE GULA, GLENN ROBERT THOMAS.

Application No. 542/Cal/89 filed on 11th July 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

3 Claims

A circuit breaker comprising a housing, one or more pairs of separable contacts each including a stationary contact and a movable contact carried by a carrier, an operating mechanism operatively coupled to contact carrier arms for actuating said movable contacts; an elongated shaft disposed adjacent said one or more pairs of separable contacts, a plurality of contact carrier arms rigidly attached to said elongated shaft, disposed adjacent said pairs of separable contacts, a cam roll pin assembly for mechanically coupling said carrier to said contact carrier arms in a first position and allowing the carrier to operate independently of said contact carrier arms in a second position, and a pair of insulating sleeves received on the ends of said elongated shaft.

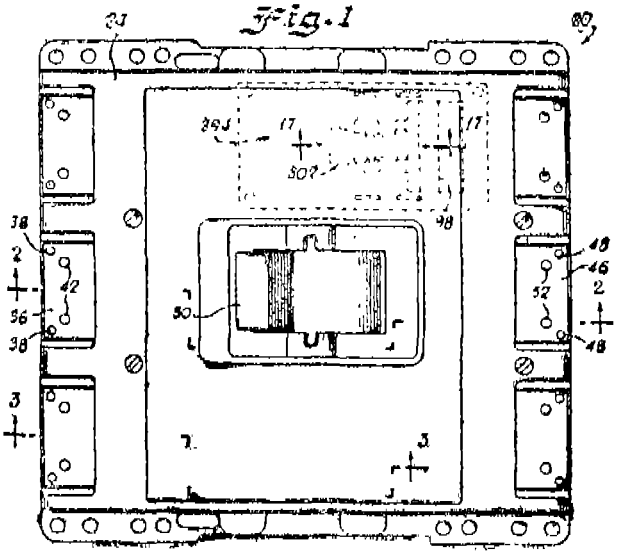


Fig. 2

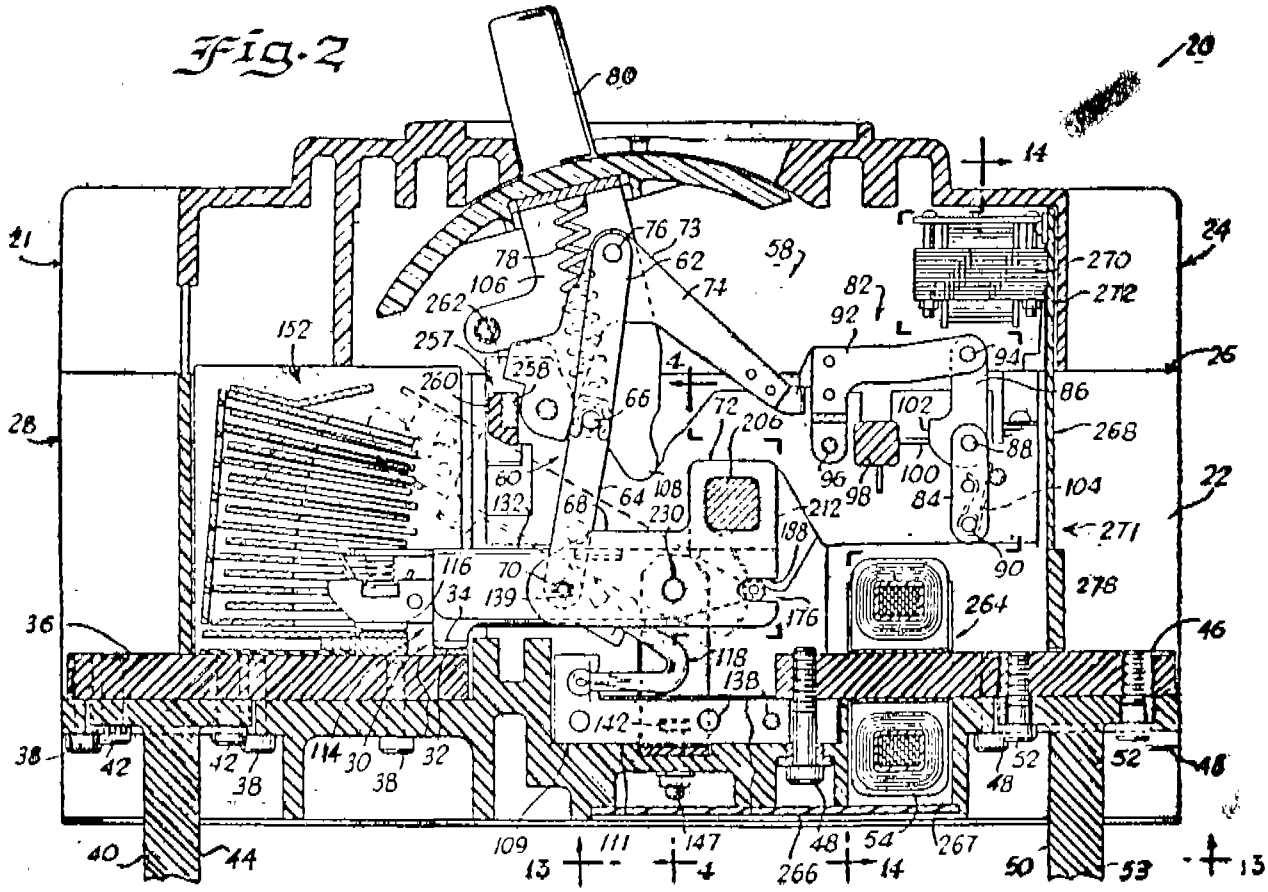


Fig. 3

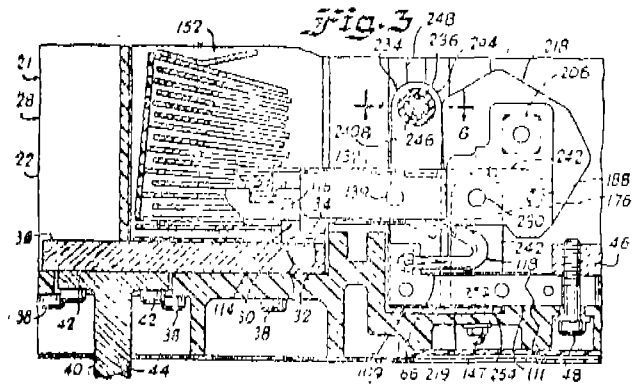


Fig. 7

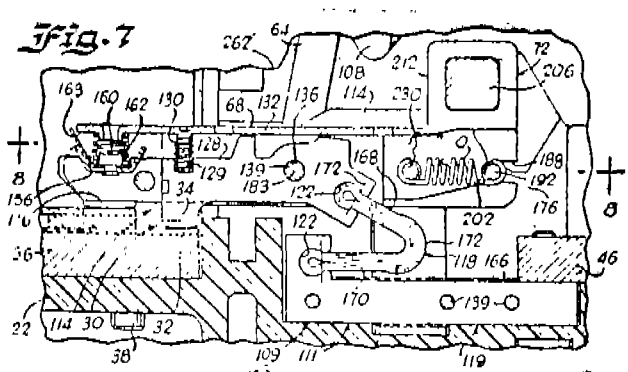


Fig. 8

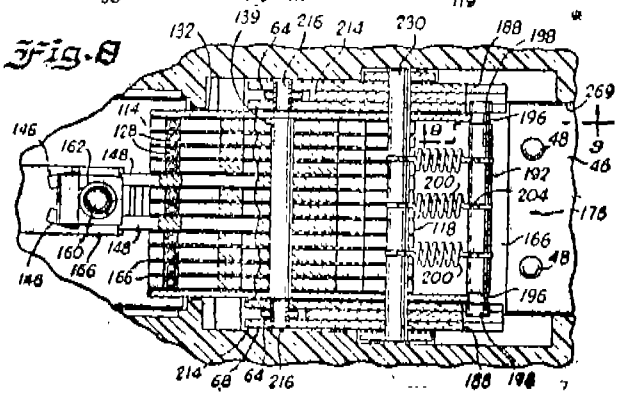
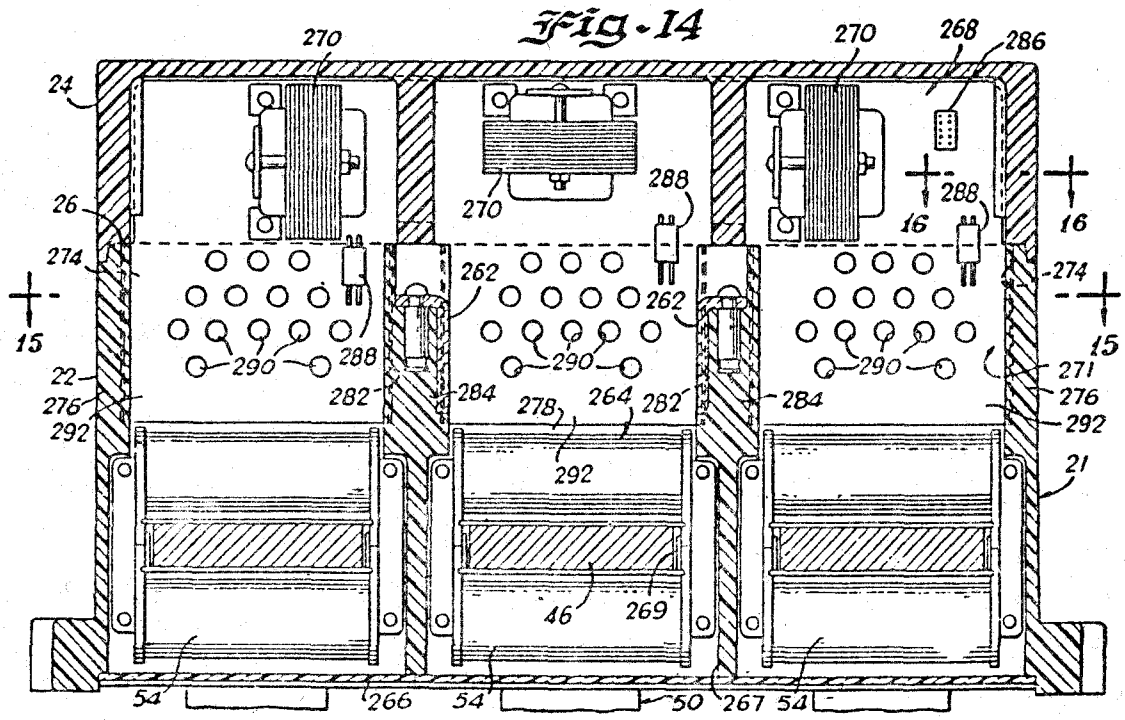


Fig-14



Compl. Specn. 28 Pages

Drgs. 7 sheets

Cl.: 181.

172385

Int. Cl.4 : F16j 15/14.

SEAL FOR CONTACT ZONES OF TWO OR MORE SEALING SYSTEMS.

Applicant: SIEMENS AKTIENGESELLSCHAFT OF WITTELSBACHERPLATZ 2, D-8000, MUNCHEN 2, WEST GERMANY.

Inventor: GEORG FRANKENHAUSER.

Application No. 561/Cal/89 filed on 13th July 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta .

14 Claims

Seal for the contact zone of two or more sealing media in the part junction (2) of a two-part or multipart structure (1), in which, for example, the first sealing medium is a liquid for 9 viscoelastic mass and the second sealing medium is a liquid, for example oil, first and second sealing medium must furthermore not come into direct contact with one another and furthermore the first sealing medium is borne by only one channel (3), characterized by the following features :

(a) In the region of the contact zone, the channel (3) bearing first sealing medium is enlarged to form a cavity (5);

(b) a bore (7) leads to an outside of the structure (1) from the side of the cavity (5) situated opposite the debouchment (6) of said channel (3);

(c) the channel(s) (4) bearing a sealing medium different from the first sealing medium debouches (or debouch) into the cavity (5) at a distance from said channel (3);

(d) the channel (3) bearing the first sealing medium is completely sealed by a cushion (8) of rubber-like material which is laid in the cavity (5) and covers at least a part of the wall of the cavity (5) surrounding said debouchment, and which is pressed by a plunger (9) against said wall;

(e) the plunger (9) is borne on a stem (10) in the bore (7) in a lockable, movable and sealing manner.

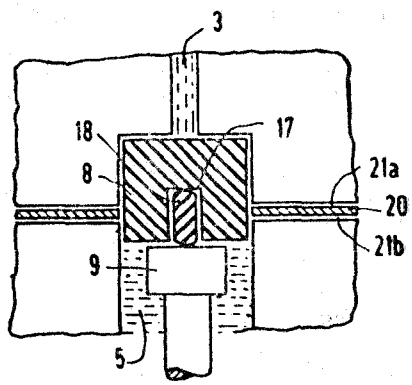


FIG 4

Compl. Specn. 13 pages.

Drgs. 2 sheets

Cl.: 39

172386

Int. Cl.: C04B 35/10, C 01 F 7/02,

C09K 3/14, B 24 D 3/00.

GRINDING WHEEL HAVING ABRASIVE GRAINS WITH VITRIFIED BOND.

Applicant: NORTON COMPANY, 1, NEW BOND STREET, WORCESTER, STATE OF MASSACHUSETTS-01606-2698, U.S.A.

Inventors: (1) JOHN HAY, (2) CAROLE J. MARKHOFF-MATHENY, AND (3) BRAIN E. SWANSON.

Application No. 701/Cal/1989 filed on 28th August 1989.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules 1972) Patent Office, Calcutta.

10 Claims

A grinding wheel comprising abrasive grains and a vitrified bond therefor, said abrasive grains consisting essentially of from 10% to 100% by weight of a polycrystalline sintered aluminous abrasive such as herein described and, if desired, up to 90% by weight of a second type of abrasive as known per se to reduce the costs or to provide an additional effect, and wherein said vitrified bond has been formed by firing bond ingredients which contain at least 40% by weight of frit.

Compl. Specn. 21 pages. Drgs. Nil

Cl : 116-G_4 172387

Int. Cl. : B 66 F 17/00.

AN ELECTRO-MECHANICAL DEVICE FOR CONTROLLING THE TRAVEL IN A VERTICAL SHAFT (SUCH AS THE PIT OF A MINE) OF CAGES OR LIKE BODIES.

Applicant & Inventor : HARIRAM KUNVERJI RATHORE, KATRAS ROAD, MATKURIA, DHANBAD-826001, STATE OF BIHAR, INDIA.

Application No. 977/Cal/1989 filed on 27th November 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

13 Claims

An electro-mechanical device for controlling the travel in a vertical shaft (such as the pit of a mine) of cages or like bodies comprising :

An over wind preventor circuit, having an input connected to a d.c. power supply and an output connected to the inpdt of an over speed preventor circuit, an over wind preventor switch 12 being provided in said over wind preventor circuit said over speed preventor circuit comprising :—

(a) a material winding mercury switch 38;

(b) a man winding mercury switch 40;

(c) a slow banking range mercury switch 42A for the material winding speed;

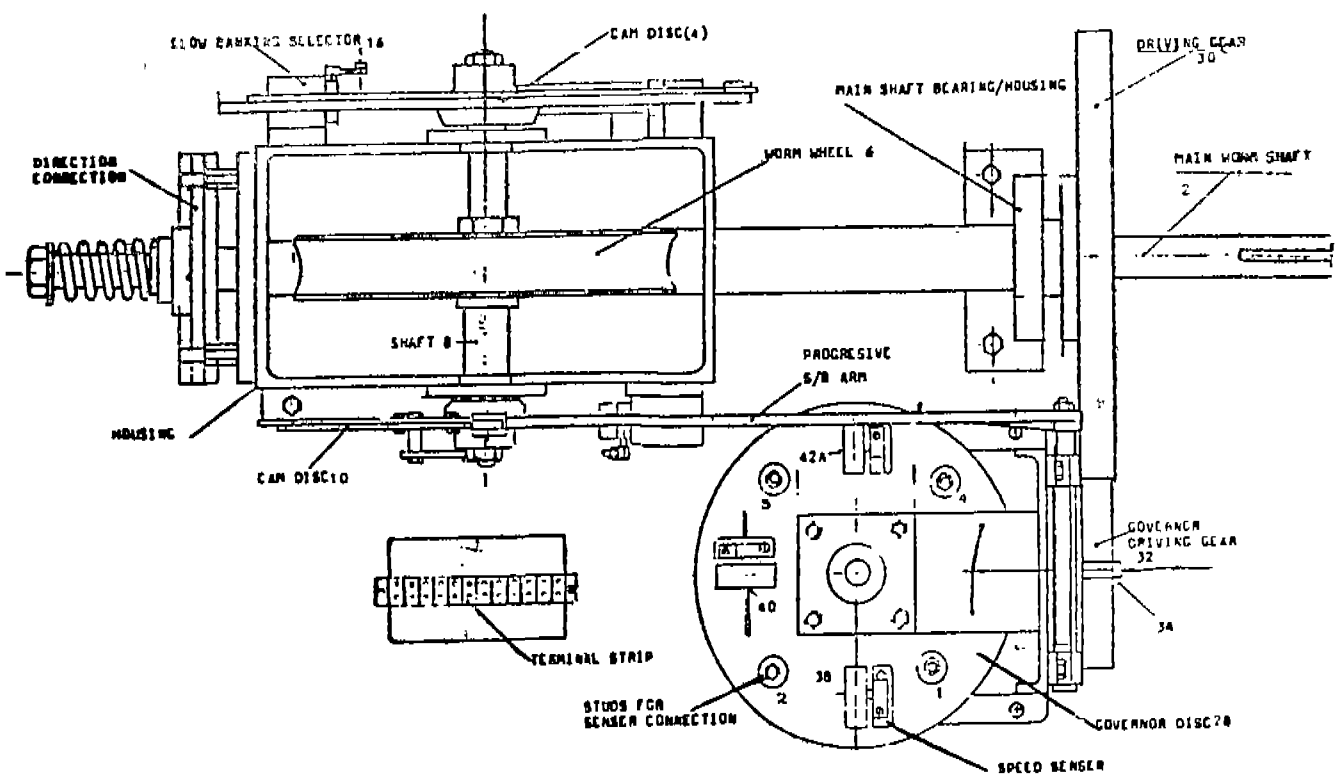
(d) a slow banking zone switch 42B for the man winding speed; the said four switches 38, 40 42A and 42B being connected in series across said input thereof alongwith the energizing coil CC of a solenoid latch which is adapted to operate the emergency steam stop valve and the power brake of a winding engine through a lever mechanism and being mounted at different angles on a horizontally disposed governor disc 28;

a manually operable ganged selector switch 50 comprising change over contacts connected parallel to said man winding mercury switch 40, and a ganged contact switch connected parallel to said man winding slow banking switch 42B;

a slow banking selector switch 16 connected parallel to said ganged selector switch 50;

a direction senser switch 26 and a direction correction switch 14 connected together in series and provided parallel across said slow banking selector switch 16; and

a main shaft 2 coupled to : (i) the shaft of the winding drum of said winding engine so as to rotate therewith, (ii) a first disc 4 and a second disc 10 through worm wheel 6 the discs 4 and 10 being disposed vertically on the opposite sides of shaft 2 and adapted to rotate through less than one revolution when said winding drum completes one winding cycle, (iii) pressure plates 18 loaded with spring 20 and nut 22, and clutch 24 adapted to actuate said direction senser switch 26 and (iv) said governor disc 28 adapted to rotate through driving gears 30, 32 and level gears 36, 37, governor shaft 44 which is provided with five slip rings 46 for connecting said four switches 38, 40, 42A and 42B to said over wind preventor circuit through electrically isolated carbon brushes mounted on a common post.



Compl. Specn. 23 pages.
Prov. Specn. 23 pages.

Drgs. 13 sheets

Cl. : 129-Q 172388

Int. Cl.[4] : B 23 K 20/12.

METHOD OF INERTIA WELDING OF HOLLOW HIGH STRENGTH SUPERALLOY ARTICLE.

Applicant : UNITED TECHNOLOGIES CORPORATION, A CORPORATION OF THE STATE OF DELAWARE HARTFORD, CONNECTICUT 06101-U.S.A.

Inventor : JACK SANFORD THROWER.

Application No. 1049/Cal/89 filed on 19th December 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

3 Claims

Method of inertia welding of hollow high strength superalloy articles comprising the steps :

—providing a first article to be joined, said first article having an inside diameter and an outside diameter and a centerline,

—providing a second article to be joined, said second article having an inside diameter and a outside diameter and a centerline,

—wherein the inside diameter of the first article is less than the inside diameter of the second article and the outside diameter of the first article is less than the outside diameter of the second article, so that when the first article and second article are placed together, with their respective center lines coincident, radial steps are formed being about 10 to about 50% of the wall thickness of the first article at the interface between the articles, and so that upon welding an "S" shaped curved weld zone results.

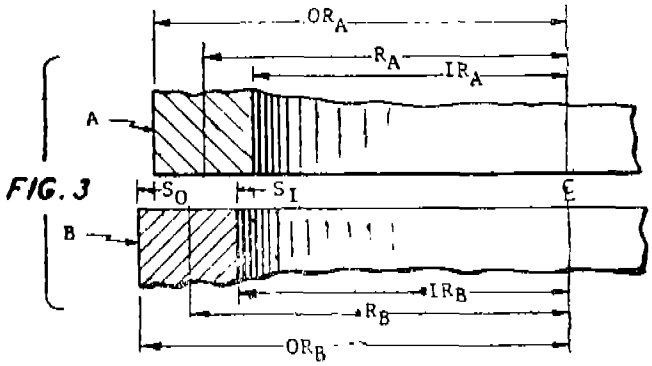


FIG. 3

Compl. Specn. 12 pages. Drgs. 8 sheets

Cl. : 69Q 172389

Int. Cl. : H 01 H 61/08.

A THERMAL OVERLOAD RELAY.

Applicant : EATON CORPORATION, 1111 SUPERIOR AVENUE, CLEVELAND, OHIO 44114, U.S.A.

Inventors : (1) DANIEL PATRICK HECKENKAMP, AND (2) ROGER JAMES BRIGGS.

Application No. 79/Cal/1990 filed on 29th January 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

11 Claims

A thermal overload relay having ambient compensating means which are mechanically adjustable to also provide a current range within which said relay operates comprising :

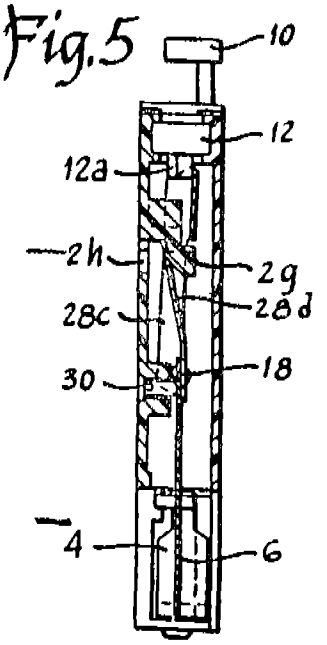
manually operable adjustment means, pivot means and locating means supported on a housing, said locating means being intermediate said adjustment means and said pivot means;

a spring comprising first and second transverse ends joined by lateral arms defining a central opening, a cantilever integral with said second end extending into said central opening, and a thermally responsive elongated member attached to said second end and projecting away from said spring oppositely to said cantilever;

said spring being disposed in said housing wherin said lateral arms extend along opposite sides of said locating means said first end overlies said adjustment means and said second end overlies said pivot means, and

a distal end of said cantilever engaging said housing and holding said cantilever deflected from a normal position thereof, thereby biasing said first end against said adjustment means and said second end against said pivot means.

Fig.5



Compl. Specn. 12 pages. Drgs. 2 sheets

Cl. : 189 172390

Int. Cl.[4] : A 61 K 7/40.

METHOD FOR PREPARING POLYMERIC FORMULATION SUITABLE FOR APPLYING TO THE SKIN.

Applicant : ETHICON, INC., U.S. ROUTE NO. 22, SOMERVILLE, NJ 08876. U.S.A.

Inventors : (1) KISHORE R. SHAH (2) LIZA G. OVINGTON (3) SHALABY W. SHALABY AND (4) UDAY B. DOSHI.

Application No. 551/Cal/1990 filed on 3rd July 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

5 Claims

Method for preparing a polymeric formulation suitable for applying to the skin in a thin layer to form a protective, adherent coating thereon, which coating has a non-sticky outer surface, the method comprising heating a mixture of an ethylene/vinyl acetate copolymer and paraffin wax in an organic liquid solvent such as herein described for the copolymer to allow the copolymer to dissolve and form an homogeneous solution, said heating being effected at tempe-

ratures below the boiling point of the organic liquid solvent the copolymer wax mixture consisting of wax in the range of 2 to 25% wt. of the mixture, and the amount of the solids, constituted by the copolymer wax mixture, to the solvent is between about 10 to 35% by wt. solids based on the total weights of the formulation.

Compl. Specn. 12 pages. Drgs. Nil

PATENT SEALED

ON 11-06-1993

161768 167982 169928 170077 170151 170171 170181 170212*F 170226 170255 170278 170279 170357 170374 170398 170423* 170643.

Cal—05, Mas—10, Del—02 & Bom—Nil.

*Patent shall be deemed to be endorsed with the words "LICENCE OF RIGHT" under Section 87 of the Patent Act, 1970 from the date of expiration of three years from the date of Sealing.

F—FOOD PATENT.

AMENDMENT PROCEEDINGS UNDER RULE 123

The Petition under Rule 123 filed by the Applicant to change name and address to Neff-GmbH, Bonholzsfrasse 17, W-7035 Waldenbuch, West Germany in respect of Patent No. 171559 (530/CAL/89) has been allowed.

OPPOSITION PROCEEDING

An Opposition has been entered by M/s Lipton India Limited to the grant of a Patent on Application No. 171693 made by Tapan Banerjee.

Registration of assignment, licences etc.

Assignments licences or other transactions affecting the interest of the original Patentee have been registered in following cases.

168946—ELF ATOCHEM ITALIA S.r.l.,

153205—YARDNEY TECHNICAL PRODUCTS, INC.

RENEWAL FEES PAID

152524 152630 152657 152680 153268 153338 153472 153887 153964 154116 154144 154213 154431 154622 154631 154810 154895 155413 155763 156316 156351 156512 156859 157122 157123 157124 157983 158001 158109 158168 158409 158679 158680 158747 158792 158794 159007 159035 159037 159039 159051 159054 159072 159551 159789 159790 160321 160367 160595 160693 160713 160813 160912 161061 161128 161438 162413 162599 162748 163020 163061 163200 163435 163579 163737 163746 163795 163964 164183 164323 164396 164539 164674 164788 165001 165229 165364 165457 165698 165699 166066 166196 166375 166546 166881 167067 167079 167260 167430 167646 167647 167653 167654 167679 167774 167923 168210 168214 168225 168332 168333 168566 168753 168902 168928 169074 169110 169156 169394 169395 169403 169414 169425 169483 169488 169522 169594 169599 169603 169614 169638 169726 169835 169919 169982 169990 170013 170014 170039 170123.

CESSATION OF PATENTS

166916 166928 166975 166980 167004 167007 167013 167020 167029 167058 167066 167074 167093 167115 167118 167123 167124 167125 167126 167157 167173 167225 167233 167234 167243 167298 167301 167302 167303 167304 167326 167329 167370 167425 167568 167569.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of the registration except as provided for in section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of registration of the designs included in the entry.

Class 1. No. 164956. Karm Home Appliances Pvt. Ltd., Indian Co. of C1/5A, Model Town, Delhi-110009, India. "Food warmer". November 11, 1992.

Class 1. No. 165191. Tokai Corporation, Japanese Corpn., of 2181-7, Enokiyato, Kitahassaku-cho, Midori-Yokohama-shi, Kanagawa-kan, Japan. "Igniter". January 13, 1993.

Class 3. No. 164891. G.P. Marketing Indian Partnership Firm of 57, Lohar Chawl, Bombay-400002, Maharashtra, India. "Jwellery Box". Oct. 14, 1992.

Class 3. No. 164955. Karm Home Appliances Pvt. Ltd. of C1/5A, Model Town, Delhi-110009, India. Indian Company. "Wall Mounted Fan". November 11, 1992.

Class 3. No. 165159 & 165160. Schoeller-Plast AG, a Jt. Stock Co. of 11 route de la Condemine, CH-1680 Romonti, Switzerland. "Bottle case". January 1, 1993.

R. A. ACHARYA
Controller General of Patents Designs and Trade Marks

प्रबन्धक, भारत सरकार मुद्रणालय, फरीदाबाद द्वारा मुद्रित
एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1993
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